

Continuous Variable Discharge Knelson Concentrator CVD Machine Specifications

Knelson Concentrator Model	Solids Feed Capacity	Fluidization Water Required	Feed Density	Maximum Volumetric Throughput	Feed Size	Concentrate Mass Yield %	Concentrator Net Weight	Motor Horse Power	Automated Control	Variable Gravity (VG) Package (Standard)
KC-CVD6-1	0.6-2.2 tons/hr [0.5-2.0 tonnes/hr] Solids	4-8 USgpm [0.9-1.8 m³/hr]	0-50% Solids w/w%	18 USgpm [4m³/hr]	Max. 3.2mm [1/8"] Recommended 1.7mm [10 mesh]	1%-50% of Feed (Variable)	510 lbs [230 kg]	1.5 HP [1.1 kW]	●	●
KC-CVD20-1	17-39 tons/hr [15-35 tonnes/hr] Solids	15-40 USgpm [3.4-9.1 m³/hr]	0-50% Solids w/w%	330 USgpm [75m³/hr]	Max. 3.2mm [1/8"] Recommended 1.7mm [10 mesh]	1%-50% of Feed (Variable)	5500 lbs [2500 kg]	15 HP [11 kW]	●	●
KC-CVD32-2	33-80 tons/hr [30-80 tonnes/hr] Solids	70-150 USgpm [16-34 m³/hr]	0-50% Solids w/w%	750 USgpm [170m³/hr]	Max. 3.2mm [1/8"] Recommended 1.7mm [10 mesh]	1%-50% of Feed (Variable)	15000 lbs [6800 kg]	40 HP [30 kW]	●	●
KC-CVD42-1	44-132 tons/hr [40-120 tonnes/hr] Solids	40-100 USgpm [9-23 m³/hr]	0-50% Solids w/w%	1100 USgpm [250m³/hr]	Max. 3.2mm [1/8"] Recommended 1.7mm [10 mesh]	1%-50% of Feed (Variable)	15400 lbs [7000 kg]	40-50 HP [30-38 kW]	●	●
KC-CVD64-1	110-330 tons/hr [100-300 tonnes/hr] Solids	40-120 USgpm [9-27m³/hr]	0-50% Solids w/w%	2800 USgpm [640m³/hr]	Max. 3.2mm [1/8"] Recommended 1.7mm [10 mesh]	1%-50% of Feed (Variable)	40000 lbs [18200 kg]	100-200 HP [75-150 kW]	●	●



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